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## Cost-effective, secure switching with simplified management for your growing business

Growing businesses require cost-effective, networking solutions that can scale with ever-changing business needs. The Linksys SLM248G4S Smart Switch with Resilient Clustering technology brings a whole new level of intelligence and security to the network infrastructure at a cost-effective price. It offers 48 10/100 Ethernet (copper) ports with four 10/100/1000 Gigabit Ethernet copper or optional optical (SFP) interfaces for uplinking the switch to the core network.

Network security is a top priority in any size business; unauthorized access to the network and mission critical data is a constant concern. The SLM248G4S is able to secure the network through 802.1X port authentication and MAC Filtering. 802.1X requires clients to authenticate themselves before they are given access to the network.

The SLM248G4S switches provide Resilient Clustering technology which enables several switches to be clustered together and managed as a single switch with one Web Management interface and one IP address. This technology allows up to 4 units of the SLM248G4S (or up to 192 ports when combined with SLM224G4S) to be set up in a switch cluster. SLM248G4S units can coexist in a switch cluster with other Linksys Smart Switches that support Resilient Clustering technology—SLM224G4PS, SLM224G4S, and SLM248G4PS.

Businesses are recognizing the benefits of Voice over IP (VoIP) technology and are quickly migrating their voice services to IP-based platforms, requiring their local area networks to support both voice and data applications. The SLM248G4S's extensive QoS features make the solution ideal for real-time applications like Voice and Video. The four priority queues together with Weighted Round Robin and Strict Priority scheduling techniques let network administrators quickly prioritize real-time voice and video traffic over data traffic. Individual users or applications can also be prioritized above others using various Class of Service options—by port, Layer 2 priority (802.1p), and Layer 3 priority (TOS or DSCP). Intelligent Broadcast, Multicast, and Unknown Unicast storm control minimizes and contains the effects that these types of storms have on regular traffic. IGMP Snooping limits bandwidth-intensive video traffic to only the requestors without flooding to all users. Incoming traffic can be policed and outgoing traffic can be shaped allowing network administrators to control network access and traffic flow.

The SLM248G4S also includes features for network expansion and faster throughput performance. Link aggregation enables network administrators to create multiple high-bandwidth trunks between switches. This provides a level of reliability because the system will continue to operate if one of the links breaks. Spanning Tree (STP) allows administrators to avoid network loops and to build a mesh of switches to increase the availability of their network.

The simplified user interface provides an intuitive, secure management platform enabling administrators to better utilize the extensive feature set of the switch, resulting in a better optimized, more secure network.



### PRODUCT DATA

Easy-to-use Web browser interface makes installation quick and effortless	Grow your network with options like Resilient Clustering and Link Aggregation	802.1X port authentication and MAC address filtering brings network security down to the switch port level	Advanced QoS enables the network to be optimized for your networked applications, including voice, video and data storage
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# 48-Port 10/100 + 4-Port Gigabit Smart Switch with Resilient Clustering Technology

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## Features (continued)

- Enhanced QoS functions including rate limiting for ingress/egress and per flow at 64kbps granularity
- HTTP interface
- User/Network security via 802.1x (with Radius authentication) and MAC-based filtering
- Containment of storms— Broadcast and Multicast
- Expandability and availability increased across multiple switches using Link Aggregation
- Port Trunking for up to 8 groups with up to 8 ports per group allows you to increase your bandwidth for each uplink or Server connection
- SNMP and RMON management expand your visibility options

## Layer 2

VLAN	Port-based and 802.1q-based VLANs Management VLAN
HOL Blocking Jumbo Frame	Head of Line Blocking Prevention Supports Frame size up to 10Kbytes

## Standards

802.3 10BASE-T Ethernet,  
802.3u 100BASE-TX Fast Ethernet,  
802.3ab 1000BASE-T Gigabit Ethernet,  
802.3z Gigabit Ethernet,  
802.3x Flow Control

## Environmental

Dimensions (W x H x D)	17.32" x 1.75" x 13.81" (440 x 44.45 x 350.8 mm)
Weight	8.77 lb (3.98 kg)
Power	100-240V 0.5A
Certification	FCC Part 15 Class A, CE Class A, UL CSA (CSA22.2), CE mark, CB
Operating Temp.	32 to 104°F (0 to 40°C)
Storage Temp.	-4 to 158°F (-20 to 70°C)
Operating Humidity	20 to 95%, Noncondensing
Storage Humidity	5 to 90%, Noncondensing

## Package Contents

- One SLM248G4S Switch
- One AC Power Cord
- One Rack Mounting Kit with Brackets and Hardware
- One CD with User Guide in PDF Format
- One Online Registration Card
- Console Cable

## Minimum Requirements

- Web-based Utility: Web Browser—Microsoft Internet Explorer (version 5.5 or above)
- Cat5 Ethernet Network Cable

Linksys  
A Division of Cisco Systems, Inc.  
121 Theory  
Irvine, CA 92617 USA

E-mail: sales@linksys.com  
Web: www.linksys.com

Linksys products are available in more than 50 countries, supported by 12 Linksys Regional Offices throughout the world. For a complete list of local Linksys Sales and Technical Support contacts, visit our worldwide website at [www.linksys.com](http://www.linksys.com)

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Check the product package and contents for specific features supported. Specifications are subject to change without notice.



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